

Converting Colors

$Y_{xy}(30.8872, 0.4221, 0.3712)$

Have a look what the booklet for
Yxy(30.8872, 0.4221, 0.3712)
contains.

Yxy(30.8872, 0.4221, 0.3712)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.8872, 0.4221, 0.3712)

Conversions

Conversions Part 1

Format	Color
Hex	C88868
RGB	200, 136, 104
RGB Percent	78%, 53%, 41%
CMY	0.2157, 0.4667, 0.5923
CMYK	0.00, 0.32, 0.48, 0.22
HSL	20°, 47%, 60%
HSV	20°, 48%, 78%
XYZ	35.1225, 30.8872, 17.1993
YIQ	151.4880, 48.4160, 3.6160

Conversions

Conversions Part 2

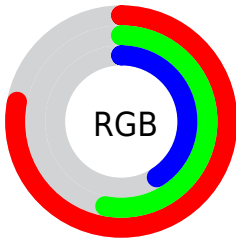
Format	Color
R _{YB}	200, 152, 104
Decimal	13142120
CIE Lab	62.41, 20.82, 27.08
CIE LCh	62, 34.156, 52.451
Yxy	30.8872, 0.4221, 0.3712
Android (android.graphics.Color)	4291332200 (0xFFC88868)
YUV	151.4880, -23.4116, 42.5450
Hunter-Lab	55.5763, 15.5483, 20.5548

Details

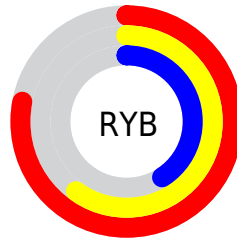
The Yxy color **30.8872, 0.4221, 0.3712** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **35.1075, 0.2409, 0.2807**, and the grayscale version is **31.2545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4535, 0.3968, 0.3658**, and **12.7807, 0.4581, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **27.0053, 0.4550, 0.3785**, and if you desaturate by 10%, it is **35.3355, 0.3926, 0.3626**.

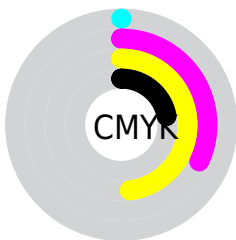
Distribution



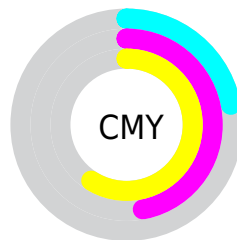
- Red (78%)
- Green (53%)
- Blue (41%)



- Red (78%)
- Yellow (60%)
- Blue (41%)



- Cyan (0%)
- Magenta (32%)
- Yellow (48%)
- Black (22%)




- Cyan (22%)
- Magenta (47%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8872, 0.4221, 0.3712 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 30.8872, 0.4221, 0.3712 by changing the saturation by 10% instead.

 30.8872, 0.4221,
0.3712


 30.8872, 0.4221,
0.3712


306.0183, 0.3635,
0.3513

 20.5130, 0.4378,
0.3753


 61.0624, 0.4000,
0.3645

 12.7685, 0.4583,
0.3800


 81.6322, 0.3919,
0.3618

 7.2693, 0.4863,
0.3846


 106.3693, 0.3852,
0.3594

 3.6311, 0.5258,
0.3878

 135.6581, 0.3795,
0.3574

 1.4694, 0.6035,
0.3965

169.8830, 0.3746,
0.3556

 0.2671, 0.7405,
0.2595

209.4285, 0.3704,

 0.0000, 0.0000,

0.3540

0.0000

254.6787, 0.3667,
0.3526

■ 30.8872, 0.4221,
0.3712

■ 30.8872, 0.4221,
0.3712

■ 27.0053, 0.4550,
0.3785

■ 35.3355, 0.3926,
0.3626

■ 23.6613, 0.4901,
0.3833

■ 40.3680, 0.3668,
0.3534

■ 20.8306, 0.5252,
0.3844


■ 46.0074, 0.3446,
0.3443

■ 18.4848, 0.5573,
0.3808


■ 52.2738, 0.3257,
0.3356

■ 16.5893, 0.5837,
0.3726

■ 59.1861, 0.3098,
0.3274

 16.2606, 0.5886,
0.3708

 66.7627, 0.2962,
0.3199

 75.0210, 0.2847,
0.3129

 83.3860, 0.2796,
0.3158

 91.0204, 0.2805,
0.3289

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.8872, 0.4080, 0.3283



30.8872, 0.4221, 0.3712



30.8872, 0.4040, 0.4086

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.8872, 0.4221, 0.3712



30.8872, 0.2587, 0.3736



30.8872, 0.2592, 0.2434

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.8872, 0.4221, 0.3712



35.1075, 0.2409, 0.2807

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.8872, 0.2259, 0.2474



30.8872, 0.4221, 0.3712



30.8872, 0.2253, 0.3181

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.8872, 0.4221, 0.3712



30.8872, 0.3084, 0.4168



30.8872, 0.2141, 0.2726



30.8872, 0.3094, 0.2583

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.8872, 0.4221, 0.3712



30.8872, 0.3778, 0.4246



30.8872, 0.2141, 0.2726



30.8872, 0.2459, 0.2425

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.8887, 0.4221, 0.3712



83.6585, 0.3370, 0.3409



25.0021, 0.3555, 0.2480



17.4100, 0.3413, 0.3429



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.8887, 0.4221, 0.3712



46.2459, 0.4578, 0.3790



47.5607, 0.3915, 0.4285



11.2054, 0.3281, 0.3368



10.4867, 0.5861, 0.3728



0.6304, 0.5450, 0.4054

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.1075, 0.2409, 0.2807



54.3348, 0.2270, 0.2675



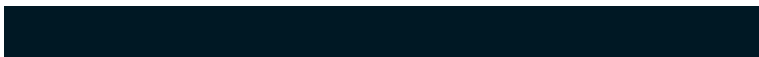
20.5392, 0.2267, 0.2038



11.4484, 0.2984, 0.3211



13.5386, 0.1937, 0.2172



0.7703, 0.2009, 0.2432

Previews

White Background



This preview shows how the Yxy color 30.8872, 0.4221, 0.3712 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.8872, 0.4221, 0.3712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

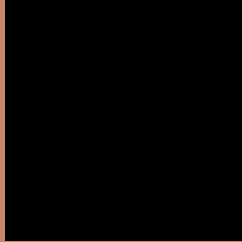
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.8872, 0.4221, 0.3712

Background



This preview shows how black text looks on a background with the Yxy color 30.8872, 0.4221, 0.3712.



This preview shows how white text looks on a background with the Yxy color 30.8872, 0.4221, 0.3712.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.8872, 0.4221, 0.3712

Protanopia

31.0455, 0.3658, 0.3918

Deuteranopia

31.0339, 0.3972, 0.3903



Tritanopia

30.8522, 0.3848, 0.3162

Trichromacy



Original Color

30.8872, 0.4221, 0.3712

Protanomaly

30.8706, 0.3848, 0.3845

Deuteranomaly

31.0166, 0.4059, 0.3831

Tritanomaly

30.8901, 0.3983, 0.3358

Monochromacy



Original Color

30.8872, 0.4221, 0.3712

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.7140, 0.3496, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8872, 0.4221, 0.3712 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(200, 136, 104)` looks like.

```
.text, #text, p{  
    color:rgb(200, 136, 104)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(200, 136, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 136, 104) }
```

Border

The CSS property to change the border of an element to Yxy 30.8872, 0.4221, 0.3712 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(200, 136, 104) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(200, 136, 104) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(200, 136, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 136, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 136, 104);  
box-shadow:4px 4px 4px 4px rgb(200, 136,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8872, 0.4221, 0.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 136, 104) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(200,  
136, 104) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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